

# Stratum™

## Soil Penetrant

### Principal Functioning Agent

Ammonium alkyl ether sulfate, alkylpolyglucoside.....	53.0%
Constituents ineffective as spray adjuvants.....	47.0%
<b>TOTAL.....</b>	<b>100.0%</b>

Ingredients are exempt from a tolerance under 40 CFR 180



FOR SDS INFO



## KEEP OUT OF REACH OF CHILDREN WARNING

### Hazard Statements

Causes serious eye irritation. Causes mild skin irritation.

### Precautionary Statements

Wear protective gloves and eye/face protection. Wash thoroughly after handling. Keep away from heat, sparks, open flames and hot surfaces. No smoking.

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. If eye irritation persists, get medical advice/attention.

IF ON SKIN: Wash skin with plenty of soap and water. If skin irritation persists, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Refer to back label for more First Aid statements.

### Storage and Disposal

**Do not contaminate water, food or feed by storage or disposal of this product.**

**Storage:** Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring. Store in a well-ventilated place. Keep cool.

**Disposal:** Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers may also be disposed of in a sanitary landfill. Dispose of contents/container in accordance with local and national regulations.

### Environmental Hazards

Do not contaminate water sources by cleaning of equipment or disposal of waste waters.

### Net Contents

**2.5 Gallons (9.46 Liters) or 2 x 2.5 Gallons (18.93 Liters)**



**KALO**

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.*

## First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

## General Information

Stratum is a liquid surfactant that enhances wettability of soils and/or root substrates thereby improving penetration of water and other water soluble materials.

Improved water penetration leads to better water infiltration and minimization of water run-off and evaporation.

Stratum provides increased soil moisture levels helping promote a better growing environment for crops, turf and ornamental plants.

Stratum helps reduce soil crusting thereby making soil tillage easier.

Stratum can be applied by any conventional farm spraying or irrigation injection system including boom sprayer, flood irrigation, center pivot and hand-held sprayers.

Stratum is formulated for use on cultivated or no-till soil, pasture, bare soil, and potting/media mixes.

## Directions For Use

Incorporation of Stratum into the soil is not required; it may be surface applied for pre- or post-emergence applications. Stratum may be used at any time of year though preferred application times are early spring (prior to or at planting or break in dormancy of perennial crops) and fall, after harvest of annual or perennial crops.

### Use Rates

#### Soil Applications – Agriculture:

**General Rate:** 6 to 12 fluid ounces of Stratum diluted in 15 to 20 gallons of water per acre.

**Sandy Soils:** 6 to 10 fluid ounces of Stratum diluted in 5 to 20 gallons of water per acre at least twice per year.

**Heavy Clay Soils:** 8 to 12 fluid ounces of Stratum diluted in 15 to 20 gallons of water per acre.

**Soil Applications – Turf:** Apply Stratum to highly maintained turf areas at a rate of 2 to 6 fluid ounces diluted in 1 to 2 gallons of water per 1,000 square feet; dilution with 2 gallons per 1,000 square feet is preferred. Use the lower Stratum rate when frequent, weekly applications are being made. Use the higher rate with infrequent applications or when applying product to fine textured, clayey soils.

**Irrigation Injection:** Stratum can be injected into irrigation systems at a rate of 4 to 8 fluid ounces per acre initially, followed by 2 fluid ounces per acre during subsequent irrigations, if needed.

**Soil Mixes or Soil-less Container Mixes:** Apply 30 fluid ounces of Stratum diluted in 10 to 20 gallons of water per 10 cubic yards of mix.

### Compatibility and Mixing

Always read and follow label instructions for this product and for all accompanying tank mix products. Stratum is believed to be compatible with most crop protection products. Conduct a jar test to confirm compatibility prior to large scale applications. Fill spray tank 1/2 full with water without agitation. Add Stratum after all other tank mix products, fill remaining water and begin agitation. The use of an antifoam agent is recommended.

#### CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale – Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions of this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of KALO, Inc., the manufacturer or seller. In addition, failure to follow label directions may cause injury to crops, animals, workers or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind express or implied concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at KALO, Inc.'s election, one of the following: 1) Refund of the purchase price paid by buyer or user for product purchased, or, 2) Replacement of the product used, to the extent allowed by law. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company, the manufacturer and seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.



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